

US EPA ARCHIVE DOCUMENT

CASE GS0023 NAPHTHALENE ACETIC ACID 4-(11/28/79) PM 100 12/27/79

CHEM 056002 1-NAPHTHALENEACETIC ACID

BRANCH *EBB* DISC 20 TOPIC 200013020

FORMULATION 00 = ACTIVE INGREDIENT

FICHE/MASTER ID 05612526 CONTENT CAT.01

CROXALL, H.E.; OGILVIE, L. (1940) THE EFFECT OF SEED DRESSINGS CONTAINING GROWTH-PROMOTING SUBSTANCES ON LETTUCE, TOMATO, SUGAR BEET AND DWARF BEAN. PAGES 29-34, IN LONG ASHTON RESEARCH STATION, UNIVERSITY OF BRISTOL, REPORT 1940. BRISTOL, ENGLAND; LONG ASHTON AGRICULTURAL AND HORTICULTURAL RESEARCH STATION.

SUBST. CLASS = S.

OTHER SUBJECT DESCRIPTORS

SEC: -20-200011005 -20-200028001 -20-200028020

DIRECT RVW TIME = 0.6 (MH) START-DATE 24 OCT 1980 END DATE 24 OCT 1980

REVIEWED BY: Robert W. Holst, Ph.D.
TITLE: Plant Physiologist
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SIGNATURE: *RWH*

DATE: 24 OCT 1980

APPROVED BY:

TITLE:

ORG:

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SIGNATURE:

DATE:



Chemical: 1-Naphthaleneacetic acid

Citation: Croxall, H. E.; Ogilvie, L. (1940) The Effect of Seed Dressing Containing Growth-Promoting Substances on Lettuce, Tomato, Sugar Beet and Dwarf Bean. Pages 29-34, in Long Ashton Research Station, University of Bristol, Report 1940. Bristol, England: Long Ashton Agricultural and Horticultural Research Station.

Reviewer: Robert W. Holst, Ph.D., Plant Physiologist
Ecological Effects Branch/Hazard Evaluation Division

Validation Date: 10/24/80

Test Title: General Growth Studies
Lettuce, Tomato, Sugarbeet, Dwarf Bean

Conclusion: There was no effect on yield with 100,000 ppm of NAA.

Validation: This study is scientifically sound.

Materials and Methods: The seeds of lettuce (Chestnut Early Giant), tomato (Ailsa Craig and Early Market), sugarbeet (Desprez Elite), and dwarf bean (The Prince) were treated with NAA in talc at concentrations up to 100,000 ppm. All plants were grown to maturity in a greenhouse at Long Ashton, Bristol, England in 1939.

Results: In no case did the addition of NAA significantly influence the yield.